

Application No. 10/552,547  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/552,547 Confirmation No. 6675  
Applicants : MARTIJN SCHIMMER et al.  
Filed : July 20, 2006  
Title : LOCALIZATION SYSTEM AND METHOD FOR  
LOCALIZING OBJECTS OR ANIMALS USING  
SUCH A LOCALIZATION SYSTEM  
Group Art Unit : 2612  
Examiner : Jack K. Wang  
Customer No. : 28289

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

SUPPLEMENTAL AMENDMENT

Sir:

In further support of the Response filed on January 7, 2009 replying to the Office Action of July 7, 2008 and the Advisory Action of December 11, 2008, Applicants submit the following amendments and remarks in the form of a Supplemental Amendment.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks** begin on page 5 of this paper.

I hereby certify that this correspondence is being electronically  
submitted to the United States Patent and Trademark Office on  
February 2, 2009.

02/02/2009

Date

Signature

Pauline J. Moyles

Typed Name of Person Signing Certificate

<sup>5.</sup>  
23. (Currently Amended) The localization system as claimed in claim 18, wherein the disrupting means is adapted to disrupt the electromagnetic energy field in a manner that distinguishes it from other disrupting means in the system.

<sup>6.</sup>  
24. (Previously Presented) The localization system as claimed in claim 18, wherein the disrupting means is adapted to reflect the pulse streams.

<sup>7.</sup>  
25. (Previously Presented) The localization system as claimed in claim 18, wherein the disrupting means is adapted to influence the pulse streams.

<sup>8.</sup>  
26. (Previously Presented) The localization system as claimed in claim 18, wherein the disrupting means is formed by a chip.

<sup>9.</sup>  
27. (Previously Presented) The localization system as claimed in claim 18, wherein the disrupting means is formed by a coating.

<sup>10.</sup>  
28. (Previously Presented) The localization system as claimed in claim 18, wherein the localization system is provided with visual means communicating with the control unit for displaying the location of the detected disrupting means.

<sup>11.</sup>  
29. (Previously Presented) The localization system as claimed in claim 28, wherein the communication between the control unit and the visual means takes place wirelessly via electromagnetic radiation.

<sup>12.</sup>  
30. (Previously Presented) The localization system as claimed in claim 28, wherein the communication between the control unit and the visual means takes place wirelessly via pulse streams.

<sup>13.</sup>  
31. (Currently Amended) A method for localizing objects or animals, comprising the steps of:

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- A) generating an electromagnetic energy field within the Ultra-Wideband (UWB), wherein the electromagnetic energy field is formed by one or more pulse beams, wherein each pulse beam comprises nine pulse streams oriented at least substantially parallel to each other,
- B) placing in the electromagnetic energy field at least one object or animal provided with at least one disrupting means for locally disrupting the electromagnetic energy field,
- C) detecting the local disruption of the electromagnetic energy field, and
- D) localizing the object or animal on the basis of the detected local disruption.

(14.)  
32. (Previously Presented) The method as claimed in claim <sup>13</sup>31, wherein the method is provided with a step E) comprising of visualizing the location of the object or animal after localizing the object or animal on the basis of the detected local disruption as according to step D).

(15.)  
33. (Currently Amended) The method as claimed in claim <sup>13</sup>31, wherein while step B) is being performed a person provided with at least one disrupting means is placed in the electromagnetic energy field to locally disrupt the energy field.